IN THE CLAIMS:

Please amend the claims, as follows:

1. (currently amended) A method for trimming a fuel injector located on an engine, comprising the steps of:

modifying an engine speed control; interrupting at least one injection event; monitoring a change associated with of an engine speed; and responsively trimming the injector in response to the change.

- 2. (original) A method, as set forth in claim 1, wherein modifying an engine speed control includes the step of loosening an engine speed control to allow changes in engine speed within a desired range.
- 3. (original) A method, as set forth in claim 2, wherein the engine speed control is a proportional-integral control and modifying an engine speed control includes the steps of: modifying a gain of the proportional control; and selectively disabling the integral control.
- 4. (original) A method, as set forth in claim 1, wherein interrupting at least one injection event includes the step of interrupting at least one of a pilot and a main injection event.
- 5. (original) A method, as set forth in claim 4, wherein interrupting at least one injection event includes the step of cutting out at least one injection event.
- 6. (original) A method, as set forth in claim 5, wherein interrupting at least one injection event includes the steps of:

cutting out a main injection event; and

subsequently cutting out a pilot injection event while the main injection event is cut out.

- 7. (original) A method, as set forth in claim 5, wherein interrupting at least one injection event includes the step of cutting out one of a main and a pilot injection event.
 - 8. (canceled)
- 9. (original) A method, as set forth in claim 1, wherein monitoring a change in engine speed includes the step of monitoring a time for a change from a first engine speed to a second engine speed.
- 10. (original) A method, as set forth in claim 1, wherein monitoring a change associated with an engine speed includes the steps of:

determining a reference speed subsequent to modifying the engine speed control; interrupting a first injection event;

determining a first change in engine speed from the reference speed in response to interrupting the first injection event;

interrupting a second injection event; and

determining a second change in engine speed from the first change in engine speed in response to interrupting the second injection event.

11. (original) A method, as set forth in claim 1, wherein interrupting at least one injection event includes the steps of:

determining a reference speed subsequent to modifying the engine speed control; interrupting a main injection event;

determining a first change in engine speed from the reference speed in response to interrupting the main injection event;

interrupting a pilot injection event during interruption of the main injection event; and

determining a second change in engine speed from the first change in engine speed in response to interrupting the pilot injection event.

12. (original) A method, as set forth in claim 1, wherein the engine includes a plurality of fuel injectors located thereon, further including the steps of:

interrupting at least one injection event for a first injector;

monitoring a change associated with the engine speed;

restoring the at least one injection event to the first injector; and

repeating the interrupting and speed monitoring steps for each of the plurality of injectors.

13. (original) A method, as set forth in claim 12, further including the steps of: determining an average engine speed change based on the interrupting and speed monitoring steps; and

trimming each of the plurality of fuel injectors as a function of the average speed change.

14. (original) A method for trimming a fuel injector located on an engine, comprising the steps of:

modifying an engine speed control;

interrupting a main injection event;

determining a first speed change;

interrupting a pilot injection event while maintaining the main injection event interruption;

determining a second speed change; and

trimming the fuel injector as a function of the first and second speed changes.

15. (original) A method, as set forth in claim 14, wherein trimming the fuel injector includes the step of modifying the duration of at least one fuel injection event.

- 16. (currently amended) A method of trimming a plurality of fuel injectors located on an engine, comprising the steps of:
 - a) modifying an engine speed control;
 - b) interrupting at least one injection event for a first injector;
- c) monitoring [[an]] a first engine speed change, which is associated with interrupting the at least one injection event for the first injector;
 - d) repeating steps b) and c) for each additional fuel injector;
 - e) determining an average engine speed change; and
- f) responsively trimming each fuel injector in response to each fuel injector's associated engine speed change.
- 17. (original) A method, as set forth in claim 16, further including the step of restoring the engine speed control.
- 18. (currently amended) An apparatus for trimming a fuel injector located on an engine, comprising:

an engine speed control device;

an engine speed sensor; and

a controller for modifying an engine speed control of the engine speed control device, interrupting at least one injection event, monitoring a change in engine speed, and responsively trimming the injector in response to the change.

19. (currently amended) An apparatus for trimming a fuel injector located on an engine, comprising:

means for modifying an engine speed control;

means for interrupting at least one injection event;

means for monitoring a change associated with of an engine speed; and means for responsively trimming the injector in response to the change.

20. (original) A method for balancing multiple injection events of a fuel injector located on an engine, comprising the steps of:

interrupting a first injection event;
monitoring a change associated with an engine speed;
interrupting a second injection event;
monitoring a further change associated with the engine speed; and
trimming the first and second injection events as a function of the engine speed
changes.

21. (original) A method, as set forth in claim 20, further including the step of modifying an engine speed control during the interrupting and speed monitoring steps.